## OFE 4033 NOV 14 2000 NOVE

## SEQUENCE LISTING

ImmunoGen, Inc.

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<120> ANTI-CD33 ANTIBODIES AND METHODS FOR TREATMENT OF ACUTE MYELOID LEUKEMIA USING THE SAME
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<140> 10/700,632
<141> 2003-11-05
<150> US 60/424,332
<151> 2002-11-07
<160> 96
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Tyr Ile His Trp Ile Lys Gln Thr Pro Gly Gln Gly Leu Glu Trp Val 35 40 45

Gly Val Ile Tyr Pro Gly Asn Asp Asp Ile Ser Tyr Asn Gln Lys Phe 50 55 60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Ala Tyr 65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys 85 90 95

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Thr Val Thr Val Ser Ser 115

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Ser Ser Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Ile Pro Gly Gln 35 40 45

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Gln Ser Glu Asp Leu Ala Ile Tyr Tyr Cys His Gln 85 90 95

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Tyr Ile His Trp Ile Lys Gln Thr Pro Gly Gln Gly Leu Glu Trp Val 35 40 45

Gly Val Ile Tyr Pro Gly Asn Asp Asp Ile Ser Tyr Asn Gln Lys Phe 50 55 60

Gln Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Ala Tyr 65 70 75 80

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Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
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Ile Ser Ser Val Gln Pro Glu Asp Leu Ala Ile Tyr Tyr Cys His Gln
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Tyr Leu Ser Ser Arg Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
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cctggacagg gcctggaatg ggttggagtt atttatccag gaaatgatga tatttcctac

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aatcagaagt tcaaaggcaa ggccacattg actgcagaca aatcctccac cacagcctac
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Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

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Tyr Leu Ser

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Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly 35 40 45

Arg Ile His Pro Ser Asp Ser Asp Thr Asn Tyr Asn Gln Lys Phe Lys 50 55 60

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Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Gln Ser Glu Asp Leu Ala Ile Tyr Tyr Cys His Gln 85 90 95

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Arg Ala

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Ser Asn Gln Met Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Glu Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln 85 90 95

Tyr His Ser Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile 100 105 110

Lys Arg Ala 115

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Gly Lys Gln Lys Asn Tyr Leu Thr Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Pro Pro Lys Val Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Asn 85 90 95

Asp Tyr Ser Asn Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Leu 100 105 110

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Gly Ala Gln Lys Asn Tyr Leu Thr Trp Tyr Gln Gln Lys Pro Gly Gln
                    40
Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
                    55
Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser
                                        75
                    70
Ile Ser Gly Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Asn
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                    90
Asn Tyr Asn Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu
100
                    105
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Lys Arg Ala
115
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                5
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Arg Thr Gln Lys Asn Tyr Leu Thr Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser 65 70 75 80

Ile Ser Gly Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Asn 85 90 95

Asn Tyr Asn Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu 100 105 110

Lys Arg Ala 115

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Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Leu Phe Asn Ser 20 25 30

Gly Lys Arg Lys Asn Phe Leu Thr Trp Tyr His Gln Lys Pro Gly Gln 35 40 45

Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

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Lys Arg Ala 115

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Gly Asn Gln Lys Asn Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Pro Pro Lys Leu Leu Ile Tyr Gly Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Asn 85 90 95

Asp His Ser Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Ile 100 105 110

Lys Arg Ala 115

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<400> 69

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5

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Ser Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln 45 40

Ser Pro Lys Leu Leu Val Tyr Phe Ala Ser Thr Arg Glu Ser Gly Val 50 55

Pro Asp Arg Phe Ile Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 70 75 65

Ile Ser Ser Val Gln Ala Glu Asp Gln Ala Asp Tyr Phe Cys Gln Gln

His Tyr Arg Ala Pro Arg Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile 105

Lys

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Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser 25 30 20

Ser Asn Ser Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln 45 40

Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 70 65

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln 85 90 95

Tyr Tyr Ser Thr Pro Tyr Ser Phe Gly Gln Gly Thr Lys Leu Glu Ile 100 105 110

Lys Arg

<210> 71

<211> 113

<212> PRT

<213> Mus musculus

<400> 71

Asp Ile Val Met Thr Gln Ser Pro Ser Ser Leu Thr Val Thr Ala Gly
1 5 10 15

Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Leu Leu Asn Ser 20 25 30

Gly Asn Gln Lys Asn Tyr Leu Thr Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Asn 85 90 95

Asp Tyr Ser Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Pro 100 105 110

Gly

<210> 72

<211> 109

<212> PRT

<213> Mus musculus

<400> 72

Asp Ile Val Met Thr Gln Ser Pro Lys Phe Met Ser Thr Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asp Val Ser Thr Ala 20 25 30

Val Val Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile 35 40 45

Tyr Trp Ala Ser Thr Arg His Ile Gly Val Pro Asp Arg Phe Ala Gly 50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Val Gln Ala 65 70 75 80

Glu Asp Leu Ala Leu Tyr Tyr Cys Gln Gln His Tyr Ser Pro Pro Trp 85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala 100 105

<210> 73

<211> 117

<212> PRT

<213> Mus musculus

<400> 73

Gln Val Gln Leu Gln Gln Pro Gly Ala Glu Val Val Lys Pro Gly Ala 1 5 10 15

Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr 20 25 30

Tyr Ile His Trp Ile Lys Gln Thr Pro Gly Gln Gly Leu Glu Trp Val 35 40 45

Gly Val Ile Tyr Pro Gly Asn Asp Asp Ile Ser Tyr Asn Gln Lys Phe 50 55 60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Ala Tyr 26/38

65

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys 85 90 95

70

Ala Arg Glu Val Arg Leu Arg Tyr Phe Asp Val Trp Gly Ala Gly Thr 100 105 110

Thr Val Thr Val Ser 115

<210> 74

<211> 116

<212> PRT

<213> Mus musculus

<400> 74

Gln Ile Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Arg Pro Gly Ala 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr 20 25 30

Tyr Ile His Trp Val Lys Gln Arg Pro Gly Glu Gly Leu Glu Trp Ile 35 40 45

Gly Trp Ile Tyr Pro Gly Ser Gly Asn Thr Lys Tyr Asn Glu Lys Phe 50 55 60

Lys Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser Thr Ala Tyr 65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys 95

Ala Arg Gly Gly Lys Phe Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser 100 105 110

Val Thr Val Ser 115

<210> 75 <211> 119

<212> PRT

<213> Mus musculus

<400> 75

Gln Ile Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr 20 25 30

Tyr Ile Asn Trp Met Lys Gln Lys Pro Gly Gln Gly Leu Glu Trp Ile 35 40 45

Gly Trp Ile Asp Pro Gly Ser Gly Asn Thr Lys Tyr Asn Glu Lys Phe 50 55 60

Lys Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser Thr Ala Tyr 65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys 90 95

Ala Arg Glu Lys Thr Thr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Ser Val Thr Val Ser 115

<210> 76

<211> 118

<212> PRT

<213> Mus musculus

<400> 76

Gln Gly Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Pro Gly Ser 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Ser Phe 20 25 30

Trp Val Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile 35 40 45

Gly Gln Ile Tyr Pro Gly Asp Gly Asp Asn Lys Tyr Asn Gly Lys Phe 50 55 60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Ala Tyr 65 70 75 80

Met Gln Leu Tyr Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys 85 90 95

Ala Arg Ser Gly Asn Tyr Pro Tyr Ala Met Asp Tyr Trp Gly Gln Gly 100 105 110

Thr Ser Val Thr Val Ser 115

<210> 77

<211> 113

<212> PRT

<213> Mus musculus

<400> 77

Val Lys Leu Gln Glu Ser Gly Ala Glu Leu Ala Arg Pro Gly Ala Ser 1 5 10 15

Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr Thr 20 25 30

Ile His Trp Ile Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly 35 40 45

Tyr Ile Asn Pro Ser Ser Val Tyr Thr Asn Tyr Asn Gln Arg Phe Lys 50 55 60

Asp Lys Ala Thr Leu Thr Arg Asp Arg Ser Ser Asn Thr Ala Asn Ile 65 70 75 80

His Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val Tyr Tyr Cys Val 85 90 95

Arg Glu Gly Glu Val Pro Tyr Trp Gly Gln Gly Thr Thr Val Thr Val 100 105 110

Ser

<210> 78

<211> 113

<212> PRT

<213> Mus musculus

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> "X" may be any amino acid

<400> 78

Xaa Val Gln Leu Gln Gln Ser Asp Ala Glu Leu Val Lys Pro Gly Ala 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp His 20 25 30

Ala Ile His Trp Ala Lys Gln Lys Pro Glu Gln Gly Leu Glu Trp Ile 35 40 45

Gly Tyr Ile Ser Pro Gly Asn Asp Asp Ile Lys Tyr Asn Glu Lys Phe 50 55 60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr 65 70 75 80

Met Gln Leu Asn Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys 85 90 95

Lys Arg Ser Tyr Tyr Gly His Trp Gly Gln Gly Thr Thr Leu Thr Val 100 105 110

Ser

<210> 79

<211> 118

<212> PRT

<213> Mus musculus

<400> 79

Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser 30/38

Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr Trp 30 25

Met His Trp Val Lys Gln Arg Pro Gly Arg Gly Leu Glu Trp Ile Gly 40

Arg Ile Asp Pro Asn Ser Gly Gly Thr Lys Tyr Asn Glu Lys Phe Lys 60 50 55

Ser Lys Ala Thr Leu Thr Val Asp Lys Pro Ser Ser Thr Ala Tyr Met 75 80 70 65

Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala

Arg Tyr Asp Tyr Tyr Gly Ser Ser Tyr Phe Asp Tyr Trp Gly Gln Gly 105

Thr Thr Val Thr Val Ser 115

5

<210> 80

<211> 114

<212> PRT

<213> Mus musculus

<400> 80

Gln Leu Gln Gln Ser Gly Thr Val Leu Ala Arg Pro Gly Ala Ser Val

Lys Met Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Arg Tyr Trp Met 30 20 25

His Trp Ile Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly Ala 40 45 35

Ile Tyr Pro Gly Asn Ser Asp Thr Ser Tyr Asn Gln Lys Phe Glu Gly 60 50 55

Lys Ala Lys Leu Thr Ala Val Thr Ser Ala Ser Thr Ala Tyr Met Glu 65 70

Leu Ser Ser Leu Thr His Glu Asp Ser Ala Val Tyr Tyr Cys Ser Arg 85 90 95

Asp Tyr Gly Tyr Tyr Phe Asp Phe Trp Gly Gln Gly Thr Thr Leu Thr 100 105 110

Val Ser

<210> 81

<211> 116

<212> PRT

<213> Mus musculus

<400> 81

Glu Val Gln Leu Gln Gln Ser Gly Pro Asp Leu Val Lys Pro Gly Ala 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Thr Tyr 20 25 30

Tyr Met His Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu Trp Ile 35 40 45

Gly Arg Val Asp Pro Asp Asn Gly Gly Thr Ser Phe Asn Gln Lys Phe 50 55 60

Lys Gly Lys Ala Ile Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr 65 70 75 80

Met Glu Leu Gly Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys 85 90 95

Ala Arg Arg Asp Asp Tyr Tyr Phe Asp Phe Trp Gly Gln Gly Thr Ser 100 105 110

Leu Thr Val Ser 115

<210> 82

<211> 119

<212> PRT

<213> Mus musculus

<400> 82

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Met Lys Pro Gly Ala 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Thr Gly Tyr Thr Phe Ser Ser Phe 20 25 30

Trp Ile Glu Trp Val Lys Gln Arg Pro Gly His Gly Leu Glu Trp Ile 35 40 45

Gly Glu Ile Leu Pro Gly Ser Gly Gly Thr His Tyr Asn Glu Lys Phe 50 55 60

Lys Gly Lys Ala Thr Phe Thr Ala Asp Lys Ser Ser Asn Thr Ala Tyr 65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys 85 90 95

Ala Arg Gly His Ser Tyr Tyr Phe Tyr Asp Gly Asp Tyr Trp Gly Gln 100 105 110

Gly Thr Ser Val Thr Val Ser 115

<210> 83

<211> 123

<212> PRT

<213> Mus musculus

<400> 83

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Ala Gly Ser
1 5 10 15

Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr 20 25 30

Gly Val Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile 35 40 45

Gly Tyr Ile Asn Pro Gly Lys Gly Tyr Leu Ser Tyr Asn Glu Lys Phe 33/38

50 55 60

Lys Gly Lys Thr Thr Leu Thr Val Asp Arg Ser Ser Ser Thr Ala Tyr 65 70 75 80

Met Gln Leu Arg Ser Leu Thr Ser Glu Asp Ala Ala Val Tyr Phe Cys 90 95

Ala Arg Ser Phe Tyr Gly Gly Ser Asp Leu Ala Val Tyr Tyr Phe Asp 100 105 110

Ser Trp Gly Gln Gly Thr Thr Leu Thr Val Ser 115 120

<210> 84

<211> 21

<212> PRT

<213> Homo sapien

<400> 84

Asn Met Thr Ser Ala Lys Pro Gly Gln Lys Gly Asp Ser Asp Ser Glu

1 10 15

Gly Lys Lys Arg Ala 20

<210> 85

<211> 21

<212> PRT

<213> Homo sapien

<400> 85

Asp Gln Thr Ser Val Arg Pro Gly Glu Lys Gly Ser Ser Asp Pro Glu 1 5 10 15

Gly Lys Lys Arg Thr 20

<210> 86

<211> 20

<212> PRT

<213> Homo sapien

<400> 86

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Asp Val Thr Ser Val Arg Pro Gly Lys Lys Gly Ser Ser Asp Pro Glu
                                   10
               5
Gly Lys Lys Arg
20
<210> 87
<211> 21
<212> PRT
<213> Homo sapien
<400> 87
Asp Gln Thr Ser Val Arg Pro Gly Lys Lys Gly Ser Ser Asp Pro Glu
                                   10
               5
Gln Lys Lys Arg Thr
20
<210> 88
<211> 20
<212> PRT
<213> Homo sapien
<400> 88
Glu Val Thr Gly Pro Arg Pro Gly Gln Arg Gly Asp Ser Asp Pro Glu
               5
                                   10
Gln Lys Lys Arg
20
<210> 89
<211> 20
<212> PRT
<213> Homo sapien
<400> 89
Asp Val Thr Leu Leu Pro Pro Gly Gln Arg Gly Asp Ala Asp Ala Glu
       5
Gln Lys Lys Arg
20
<210> 90
<211> 24
<212> PRT
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<213> Homo sapien
<400> 90
Gln Gln Ala Val Lys Pro Gly Lys Gly Thr Pro Gly Gln Gln Lys Lys
Gly Lys Ser Ser Ser Glu Ala Ser
<210> 91
<211> 24
<212> PRT
<213> Homo sapien
<400> 91
Gln Gln Ala Val Lys Pro Gly Lys Gly Thr Pro Gly Gln Gln Lys Gln
Gly Thr Pro Ser Ser Glu Lys Ser
<210> 92
<211> 24
<212> PRT
<213> Homo sapien
<400> 92
Gln Gln Ala Ala Lys Pro Gly Lys Gly Thr Pro Gly Gln Gln Lys Gln
Gly Gly Ser Ser Ser Glu Gln Ser
<210> 93
<211> 24
<212> PRT
<213> Homo sapien
<400> 93
Gln Gln Ala Val Lys Pro Gly Lys Gly Thr Pro Gly Gln Gln Lys Gln
Gly Thr Ser Ser Ser Glu Gln Ser
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<210> 94

<211> 23

<212> PRT

<213> Homo sapien

<400> 94

Gln Ala Val Lys Pro Gly Lys Gly Thr Pro Gly Gln Gln Lys Gln Gly
1 5 10 15

Lys Ser Ser Ser Glu Gln Ser 20

<210> 95

<211> 113

<212> PRT

<213> Mus musculus

<400> 95

Asn Ile Met Leu Thr Gln Ser Pro Ser Ser Leu Ala Val Ser Ala Gly
1 5 10 15

Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Phe Phe Ser 20 25 30

Ser Ser Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Ile Pro Gly Gln 35 40 45

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Gln Ser Glu Asp Leu Ala Ile Tyr Tyr Cys His Gln 85 90 95

Tyr Leu Ser Ser Arg Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys 100 105 110

Arg

<210> 96

<211> 118 · <212> PRT

<213> Mus musculus

<400> 96

Gln Val Gln Leu Gln Gln Pro Gly Ala Glu Val Val Lys Pro Gly Ala

Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr

Tyr Ile His Trp Ile Lys Gln Thr Pro Gly Gln Gly Leu Glu Trp Val 40

Gly Val Ile Tyr Pro Gly Asn Asp Asp Ile Ser Tyr Asn Gln Lys Phe 55

Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Ala Tyr 75 65

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys 85

Ala Arg Glu Val Arg Leu Arg Tyr Phe Asp Val Trp Gly Ala Gly Thr 105 100

Thr Val Thr Val Ser Ser 115